

Chemistry Unit Review

From Chapter 4.1

- What is an ion, cation, and anion?
- How is an ionic compound created (charges)?
- What are the rules for naming an ionic compound?
- What are the rules for finding a formula for an ionic compound?
- Know how to identify polyatomic ions.

From Chapter 4.2

- Know how a covalent compound is created (sharing of electrons)
- what are the rules for naming a covalent compound?
- What are the rules for finding a formula for a covalent compound?
- know how to identify the differences between ionic and covalent compounds

From Chapter 4.3

- Know what a word equation is
- know what a skeleton equation is
- know what a balanced equation is. Know how to balance an equation.

From Chapter 5.1

- What is a synthesis reaction? If given reactants can you create the products?
- what is a decomposition reaction? If given the reactants can you create the products?

From Chapter 5.2

- What is a single displacement reaction?
- Know how to use the activity series to know if a single displacement reaction occurs
- What is a double displacement reaction?

From Chapter 6.1

- Know what makes something an acid.
- Know the rules for naming binary acids
- know the rules for naming oxoacids
- know the difference between binary acids and oxoacids
- know what makes something a base
- know the rules for naming bases

From Chapter 6.2

- Know the pH scale and when something is an acid or a base or neutral
- know how increases in pH are related to the concentration in H^+ ions.
- know how to understand a table involving indicators to narrow down the pH

From Chapter 6.3

- Know how neutralization works.
- Understand the process of liming

Recommended Questions

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pg 258 # 2-7,

pg 259 # 11, 12, 15, 16, 18